MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

1st and Part Bill

M. A. R. 57 (Rule 116)
Measurement Book

No. B

355220

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of Work: Comprehensive development of Roads & Drains in Ward No.5 and 6 under CMC and TMC Grants, Byatarayanapura Sub-Division, Yelahanka zone, Byatarayanapura Division. Package NO 04 (Consists of 23 works)						
	Job Code :- 005-16-000041, 005-16-000042, 005-16-000043, 005-16-000044, 005-16-000045, 005-16-000046, 005-16-000047, 005-16-000048, 005-16-000049, 005-16-000050, 005-16-000051, 005-16-000019, 005-16-000020, 005-16-000021, 005-16-000022, 005-16-000023, 005-16-000024, 005-16-000025, 005-16-000026, 005-16-000027, 005-16-000028, 005-16-000029, 005-16-000030. 26620.						
	Name of Agency : M.S. Venkatesh						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:1 KSRRB M300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 5metres and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH/Chapter 3 (P.No.142, I.No. 19.1 of PW, P&IWTD SR 2016-17.)						
	Item No:2 Removing & Refixing Stone slabs of drains and pointing in CM (1:3) (P.No. 25, I.No. 5.33 of PW, P&IWTD SR 2016-17)						
	Item No:3 Providing Granite slabs of selected quality roughly dressed and fixed in Cement mortar (1:6) including fixing curing etc, Complete 7.5cms thick (P.No. 25, I.No. 5.31.1 of PW, P&IWTD SR 2016-17)						

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No. B

355221

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work				Dimensions				Contents	Reference to last Measurement	
					Number	Length	Breadth	Depth			
1	2				3	4	5	6	7	8	
		Unit	BOQ	Rate as per S-B	Previous Measurement Qty	Previous Measurement Amt	Present Measurement Qty	Present Measurement Amt	Total up-to-date Qty	Total up-to-date Amt	Remarks
	Item No:1 KSRRB M300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 5metres and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH/Chapter 3 (P.No.142, I.No. 19.1 of PW, P&IWTD SR 2016-17.)	Cum	8570.11	196.08	0.00	0.00	8570.11	1680427.17	8570.11	1680427.17	—
	Item No:2 Removing & Refixing Stone slabs of drains and pointing in CM (1:3) (P.No. 25, I.No. 5.33 of PW, P&IWTD SR 2016-17)	Sqm	1229.55	84.51	0.00	0.00	1227.33	103721.66	1227.33	103721.66	—
	Item No:3 Providing Granite slabs of selected quality roughly dressed and fixed in Cement mortar (1:6) including fixing curing etc, Complete 7.5cms thick (P.No. 25, I.No. 5.31.1 of PW, P&IWTD SR 2016-17)	Sqm	6444.00	698.30	0.00	0.00	6444.00	4499845.20	6444.00	4499845.20	—

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:4 KSRRB M200-13.1. Dismantling of existing Structures like Culverts, Bridges, retaining walls and other Structure Comprising of masonry, Cement Concrete, Wood work, Steel work, including T&P and Scaffolding wherever necessary, Sorting the dismantled material, disposal of unserviceable material and stacking the Serviceable material with all lifts Complete as per specifications. II. By mechanical means, A. Cement Concrete Grade M-15 & M20 (P.No.137, I.No.18.2 of PW, P&IWTD SR 2016-17)						
	Item No:5 KSRRB M200-15.2. Dismantling of existing structures like Culverts, Bridges, retaining walls and other Structure Comprising of masonry, Cement Concrete, Wood work, Steel work, including T&P and Scaffolding wherever necessary, Sorting the dismantled material, disposal of unserviceable material and stacking the Serviceable material with all lifts Complete as per specifications. (iii) Dismantling Stone Masonry B. Rubble Stone Masonry in Cement mortar (P.No.138, I.No.18.27 of PW, P&IWTD SR 2016-17)						

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No. B

355222

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Unit	BOQ	Rate as per Sche-B in Rs.	Previous Measurement Qty	Amount	Present Measurement Qty	Amount	Total up-to-date Qty	Amount
Cum	56.10	489.04	0.00	0.00	56.04	27405.80	56.04	27405.80
Cum	59.58	271.31	0.00	0.00	53.71	14572.36	53.71	14572.36

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 6. KSRB 4-1.2: Providing and laying in position plain Cement Concrete of mix 1:3:6 with OPC Cement @ 220kgs, with 40mm and down size graded granite metal Coarse aggregates @ 0.892 Cum and fine aggregates @ 0.465 Cum, machine mixed, Concrete laid in layers not exceeding 15cms. thick, well Compacted, in foundation including Cost of all materials, labour, HOM of machinery, Curing Complete as per Specifications. Specification No. KBS 4.1, 4.2 (P.No.12, I.No.4.2 of PW, P&I WTD S.R. 2016-17)						

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No. B

355223

Serial No. .....

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Unit	BOQ	Rate as per Sche-B in Rs.	Previous Measurement Qty	Amount	Present Measurement Qty	Amount	Total up-to-date Qty / Amount
Cum	1174.90	5610.85	0.00	0.00	1174.90	6592187.67	1174.90 / 6592187.67

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 7 KSRRB M300- Scarifying Existing Granular Surface To a depth of 50mm by manual means. KSRRB M300- 52.1. Scarifying the existing granular road surface to a depth of 50mm and disposal of Scarified material and Complete as per Specifications. MORTH Specification No. 305.4.3 (P.No.148, I.No.19.58 of PW, P&IWTD S.R. 2016-17)						
	Item No: 8 KSRRB M300 -52.2. Scarifying existing Bituminous Surface to a depth of 50mm by mechanical means. Scarifying the existing bitumin-ous road surface to a depth of 50mm and disposal of scarified material and Complete as per Specifications MORTH Specification No. 305.4.3 (P.No.148, I.No.19.59 Of PW, P&IWTD S.R 2016-17)						

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Measurement Book

No. B

355224

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work			Dimensions				Contents	Reference to last Measurement	
				Number	Length	Breadth	Depth			
1	2			3	4	5	6	7	8	
Unit	BOQ	Rate as per Sche-B in Rs.	Previous Measurement Qty	Amount	Present Measurement Qty	Amount			Total up-to-date Qty	Amount
Sqm	750.00	43.22	0.00	0.00	703.50	30405.27			703.50	30405.27
Sqm	14502.50	8.09	0.00	0.00	14440.53	116823.86			14440.53	116823.86

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 9 KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket Capacity including Cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and Cross Sections and transporting to embankment location and Complete as per specifications. MORTH Specification No. 301 (P.NO.143, I.NO.19.14 of PW, P & IWTD S.R. 2016-17)						
	Item NO:10 KSRRB M300- Construction of Embankment with material deposited from Roadway Cutting. KSRRB M300-54 Construction of embankment with approved material deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and Compacted to meet requirement of Table 300-2 Complete as per Specifications which includes watering charges & Compaction by vibratory roller) MORTH Specification No. 305 (P. NO.146, I.NO.19.61 of PW, P & IWTD SR 2016-17)						

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No. B

355225

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Rate as per Sche-B in Rs	Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
Unit	BOQ		Previous Measurement		Present Measurement			Total up-to-date	
			Qty	Amount	Qty	Amount		Qty	Amount
Cum	8897.25	156.05	0.00	0.00	8879.67	1385672.97		8879.67	1385672.97
Cum	932.75	335.81	0.00	0.00	292.82	98333.43		292.82	98333.43

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No.11 KSRRB M400-17, providing, laying, spreading and Compacting graded stone aggregate to wet mix macadam specification including premix-ing the material with water at OMC in mechanical mix plant Carriage of mixed material by tipper to site, laying in uniform layers with Paver in sub-base / base Course on well prepared surface and Compacting with Vibratory roller to achieve the desired density Complete as per Specifications. MORTH Specification No. 406 (P.No. 158, I.No. 20.18 of PW, P & IWTD SR 2016-17)						
	Item No:12 KSRRB M500-6, Providing and applying primer Coat with S.S. bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and Spraying primer at the rate of 0.60 kg/sqm using mechanical means Complete as per Specifications. As per MORTH Specification Clause No. 502 (P.No. 161, I.No. 21.6 of PW, P & IWTD SR 2016-17).						

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No. B

355226

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1.	2	3	4	5	6	7	8
Unit	BOQ	Rate as per Sche-B in Rs	Previous Qty	Measurement Amount	Present Qty	Measurement Amount	Total up-to-date Qty / Amount.
Sum	16138.97	1854.72	0.00	0.00	15951.63	29585809.45	15951.63 / 29585809.45
Sqm	72095.83	31.13	0.00	0.00	68926.99	2145697.32	68926.99 / 2145697.32

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 13 KSRRB 500-2: Cleaning the existing black topped Surface with brooms, Soft brushes, and finally dusting with old Gunny bags and/or Compressed air to receive bituminous treatment including Cost of all materials, labour, Hire of machineries Complete as per Specifi-Cations. MORTH Spec, Chapter 5 (P.No. 161, I.No. 21.2 of PW, P&IWTD SR 2016-17)						
	Item No: 14 Providing and applying tack Coat using 80/100 grade bitumen (VG10) on prepared black topped Surface at 0.5 Kg per 10 Sq/m, heating bitumen in boiler fitted with Spray set (excluding cleaning of road Surface) including Cost of all materials, labour, Hire of machineries Com-plete as per Specifications. MORTH/Chapter 5 (P.No. 161, I No. 21.7 of PW, P&IWTD SR of 2016-17)						

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Measurement Book

No. B

355227

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement						
		Number	Length	Breadth	Depth								
1	2	3	4	5	6	7	8						
Unit	BOQ	Rate as per Sche-B in Rs	Previous Measurement		Present Measurement		Total up-to-date						
			Qty	Amount	Qty	Amount	Qty	Amount					
Sqm	42910.17	3.34	0.00	0.00	42384.71	141564.92	42384.71	141564.92					
Sqm	117431.00	13.34	0.00	0.00	115991.10	1547321.30	115991.10	1547321.30					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:15 KSRRB M500-16. Providing and laying dense bituminous macadam 50-75mm Compacted thickness with 4.5% VG-30 Bitumen using 40/60 TPH Capacity H.M.P. using Crushed aggregates of grading II, premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment rolling with Smooth wheeled, Vibratory and tandem rollers to achieve the desired Compaction as per MORTH table 500-10, Complete in all respects Complete as per Specification. MORTH Specification No. 507 (P.No. 162 I.No. 21.17.6 of PW, P&IWTD SR 2016-17)						

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355228

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work			Dimensions				Contents	Reference to last Measurement
				Number	Length	Breadth	Depth		
1	2			3	4	5	6	7	8
Unit	BOQ	Rate as per Sche-B in Rs	Previous Qty	Measurement Amount	Present Qty		Measurement Amount	Total up-to-date Qty	Amount
Sum	121.25	7381.06	0.00	0.00	121.20		894584.47	121.20	894584.47

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:16 KSRRB M500-19. Providing and laying bituminous Concrete 30-40mm Compacted thickness with VG-30 Bitumen grade using 40-60 HMP using Crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and aligment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired Compaction as per MORTH Specification clause No.500.9 Complete in all respects as per Specifications. MORTH Specification No. 509 (P.No.165 of I.No 21.28.6 in PW, P&IWTD S.R 2016-17)						

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No. B 355229

Serial No. .....

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Unit	BOQ	Rate as per Sche-B in Rs	Previous Measurement Qty	Amount	Present Measurement Qty	Amount	Total up-to-date Qty	Amount
Cum	4600.24	8406.27	0.00	0.00	4542.68	38187028.85	4542.68	38187028.85

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:17 Cement Concrete pavement. Construction of un-reinforced plain Cement Concrete pavement, thickness as per design, over a prepared Sub base with OPC Cement or any other type as per clause 1051.2.2 design mix M20/M30 with 25mm and down size graded granite metal Coarse aggregate and fine aggregates, with Superplastisiser @ 3 lts Conforming to IS9103-1999 Reaffirmed -2008, mixed in a Concrete mixer of not less than 0.6 Cum Capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (Steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the Concrete with shovels, rackets Compacted using needle, screed and plate vibrator and finished in a continous operation including Provision of Contraction, expansion, Construction and longitudinal joints including groove Cutting charges, joint filler, separation membrane, bebiant primer, joint sealant admixtures as approved, Curing Compound, finishing to lines and grades as per drawing Complete as per specifications. - M30 (at 360kg per Cum Coarse aggregate @ 0.69 cum and fine aggregate @ 0.46 Cum)						

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Measurement Book

No. B

355230

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Unit	BOQ	Rate as per Sche-B in Rs	Previous Measurement Qty	Amount	Present measurement Qty	Amount	Total up-to-date Qty	Amount
Cum	589.98	6522.64	0.00	0.00	589.98	3848227.15	589.98	3848227.15

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 18 Vaccum de-watering with vaccum pump and suction mat and Compaction with skin floater clubbed with floating disc including Cost of generator, HOM of machinery, screed vibrdtory, Power floater, blade and disc etc., with all lead and lift. (P.No.177, I.No.22.7 of PW, P&I WTD SR 2016-17)						
	Item No: 19 KSRRB M800-13. Providing and laying of hot applied thermoplastic Compound 2.5mm thick including reflectorising glass beads at 250gms per sqm area, thickness of 2.5mm dis exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes Complete as per specifications. MORTH Specification No. 803 (P.No.185, I.No. 24.15 of PW, P&I WTD SR 2016-17)						

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No. B

355231

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work			Dimensions				Contents		Reference to last Measurement	
				Number	Length	Breadth	Depth				
1	2			3	4	5	6	7		8	
Unit	BOQ	Rate as per Sche-B in Rs.	Previous Qty	Measurement Amount	Present Qty	Measurement	Amount	Qty		Total up-to-date Qty	Amount
Sqm	5899.80	100.07	0.00	0.00	5899.80		590392.99	5899.80		5899.80	590392.99
Sqm	4340.60	569.31	0.00	0.00	4325.71		2462667.11	4325.71		4325.71	2462667.11

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:20. Providing and Constructing granite Size Stone masonry in foundation Cement mortar 1:6, Stone hammered dressed in Courses not less than 20cms high, bond stones at 3m. apart in each Course including Cost of materials, labour, Curing Complete as per specifications. Specification No. KBS 5.1.13. (P.No.23, I.No.5.6 of PW, P & IWTD SR 2016-17)						
	Item No:21 KSRB 5.2-3: Providing & Constructing granite Size stone masonry in foundation Cement mortar 1:6, Stone hammered dressed in Courses not less than 20cms high, bond stones at 3m. apart in each Course Including Cost of materials, labour, Curing Complete as per specifications. Specification No. KBS 5.1.13 (Available Stones) (P.No.23, I No. 5.6 of PW, P & IWTD SR. 2016-17)						

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No. B

355232

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Rate as per Sche-B in Rs	Dimensions				Contents	Reference to last Measurement			
			Number	Length	Breadth	Depth		Previous Measurement		Present Measurement	
1	2		3	4	5	6	7	Qty	Amount	Qty	Amount
Unit	BOQ										
Cum	42.48	2921.07						0.00	0.00	42.48	124087.05
Cum	991.26	4655.69						0.00	0.00	652.88	3039614.34

Total-up-to-date	
Qty	Amount
42.48	124087.05
652.88	3039614.32

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 22 KSRB 15.1.1 Providing flush pointing to squease rubble, Course or uncoursed stone masonry with Cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including Cost of materials, labour, Curing Complete as per Specifications. (P. No. 113, I. No. 15.1 of PW, P&I WTD S.R. 2016-17)						
	Item No: 23 KSRB 4-1.6: Providing and laying in position plain Cement Concrete of mix 1:2:4 with Cement @ 240 Kgs, with 20mm and down size graded granite metal Coarse aggregate @ 0.878 Cum and fine aggregate @ 0.459 cum, machine mixed, Concrete laid in layers not exceeding 15cms. thick, well Compacted, in foundation and plinth, including Cost of all materials, labour, HOM of machinery, Curing Complete as per specification Specification No. KBS 4.1, 4.2 (P. No. 12, I. No. 4.6 of PW, P&I WTD S.R. 2016-17)						

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No. B

355233

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work			Dimensions				Contents	Reference to last Measurement
				Number	Length	Breadth	Depth		
1	2			3	4	5	6	7	8
nit	BOQ	Rate as per Sche-Bin Rs	Previous Measurement Qty / Amount		Present Measurement Qty	Amount		Total up-to-date Qty	Amount.
um	2119.00	107.86	0.00	000	1181.78	127466.90		1181.78	127466.90
um	124.95	605.07	0.00	0.00	101.20	612290.07		101.20	612290.07

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 24 Providing and fixed RCC precast Cover slab of 250mm thick for drain in Cement Concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and Concrete finished surfaces on both sides etc, Complete and as per drawing and the directions of Engineer-in-charge. (Data Rate.						
	Item No: 25 KSRB 4-6.4: Providing and removing Centering, Shuttering, Strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth Cills and string Courses Cost of all materials, Labour Complete as per Specifications. Specification No. KBS. 4.6.2 (P.No. 18, I No 4.3 of Pws, P & IWTD SR 2016-17						

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No. B

355234

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work			Dimensions				Contents	Reference to last Measurement	
				Number	Length	Breadth	Depth			
1	2			3	4		5	6	7	8
				Previous Measurement		Present Measurement			Total up-to-date	
nit	BOQ	Rate as per Sche-B in Rs	Qty	Amount	Qty		Amount		Qty	Amount
m	516.60	5577.53	0.00	0.00	349.83		1951187.32		349.83	1951187.32
m	84.00	325.80	0.00	0.00	0.00		0.00		0.00	0.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:26 Providing and laying Cement Concrete using 20mm and downsize granite Coarse aggregates and fine aggregates of RMC for RCC work laid in 15cms thick layers and well Compacted vibrating, Curing, finishing with necessary Cement mortar, with all lead and lifts etc, Complete (exclusive of cost of steel and fabrication charges) RMC Concrete M20 for Raft foundation, Column, footing, main & Secondary beams. (P.No. 18, I.No. 4.48 of PW, P&IWTD SR 2016-17)						
	Item No:27 Providing laying plain/reinforced Cement Concrete M20 Grade for Box Drain walls of thickness 10cm to 20cm including Centering, Shuttering for work etc. Complete as per approved drawing and design NORTH Specification No. 1500, 1700, 2200. (P.No. 265, I.No. 37.59.2 of PW, P&IWTD SR 2016-17)						

M.A. R. 57 (Rule 116)
Measurement Book

No. B 355235

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Rate as per Sche-B in Rs	Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
			Previous Measurement					Total up-to-date	
Unit	BOQ								
Cum	16.80	6537.10	0.00	0.00		0.00	0.00	0.00	0.00
Cum	139.95	11573.07	0.00	0.00		129.50	1498672.06	129.50	1498672.0

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:28 KSRB - 4.9.2: Providing TMT steel reinforcement Fe 500 for R.C.C. work including straightening, Cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary Complete as per design (Laps, hooks and wastage shall not be measured and paid) Cost of materials, labour, HOM of machinery Complete as per Specifications. Specification No. KBS 4.6.3 (P.No.17 I NO. 4.46.2 of PW, P&IWTD SR 2016-17)						
	Item No:29 Providing and fixing Rcc precast Cover slab of 100mm thick for drain in Cement Concrete M20 using graded granite jelly 20mm and down Size with Steel reinforcement, including form work, lift charges, Curing and Concrete finished surfaces on both sides etc Complete and as per drawing and the directions of Engineer-in-Charge (Data rate)						

M. A. R. 57 (Rule 116)
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355236

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement							
		Number	Length	Breadth	Depth		Unit	BOQ	Rate as per Sche-B in Rs	Previous Measurement		Present Measurement		Total up-to date	
										Qty	Amount	Qty	Amount	Qty	Amount
1	2	3	4	5	6	7	8								
							MT	14.99	77302.07	0.00	0.00	6.84	528836.06	6.84	528836.06
							Sqm	1188.00	1906.03	0.00	0.00	1006.29	1918018.93	1006.29	1918018.93

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:30 Geophysical Investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand Pump, MWS of PWSS by Vertical electrical Sounding by adopting Verma or Schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing ground water in the vicinity its quality 1.0 meter in Consolidated formation for proper seating of Casing pipe, depth of drilling required to cover full depth of acquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc, as per specification and direction (P.48, I.No.9.4 PRED. SR 2012-13)						

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Measurement Book

No. B 355237

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
Unit	BOQ	Rate as per Sche-B in Rs	Previous Measurement Qty	Amount	Present Measurement Qty	Amount		Total-up-to-date Qty	Amount
Each BW	4.00	1974.22	0.00	0.00	4.00	7896.88		4.00	7896.88

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 31 Sinking borewell of 165mm dia clear using super fast hydr-aulic rig of Capacity 250 PSIG & Above CFM & above in all Strata including over burden upto 20mts fixing of Casing pipes, Collars and Cap with necessary Cutting, threading and welding including transportation of rig and Supporting Vehicles, Crew charges and Cost of Consumeables etc, Complete including yield testing at the final depth with a minimum working of Compressor for one hour (excluding Cost of Casing pipes, Collars, Cap etc.,) (P.46/I. 9.1 PRED SR 2012-13 - 0 to 50m)						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355238

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement			
		Number	Length	Breadth	Depth					
1	2	3	4	5	6	7	8			
Unit	BOQ	Rate as per Sche-B in Rs	Previous Measurement Qty	Amount	Present Measurement Qty		Amount		Total up-to-date Qty	Amount
mtr	200.00	320.99	0.00	0.00	200.00		64198.00		200.00	64198.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 32 Sinking borewell of 165mm dia clear using Super fast hydraulic rig of Capacity 250 PSIG & above CFM & above in all Strata including overburden upto 20mts fixing of Casing pipes, Collars and Cap with necessary Cutting, throading and welding including transportation of rig & Supporting Vehicles, Crew Charges and cost of Consumeables etc, Complete including yield testing at the final depth with a minimum working of Compressor for one hour (excluding cost of Casing pipes, Collars, Cap etc) P.46/I.9.1 PRED SR 2012-13.-50 to 100mts						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355239

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work			Dimensions				Contents	Reference to last Measurement	
				Number	Length	Breadth	Depth			
1	2			3	4	5	6	7	8	
Unit	BOQ	Rate as per Sche-B in Rs	Previous Measurement Qty	Amount	Present Measurement Qty		Amount		Total up-to-date Qty	Amount
Rmts	200.00	419.60	0.00	0.00	200.00		83920.00		200.00	83920.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:33 Sinking borewell of 165mm dia clear using Super fast hydraulic rig of Capacity 250 PSIG & above CFMs above in all strats including over burden upto 20mts fixing of Casing pipes, Collars and Cap with necessary Cutting, throading and welding including transportation of rig and Supporting vehicles Crew charges and Cost of Consumeables etc, Complete including yield testing at the final depth with a minimum working of Compressor for one hour (excluding cost of Casing pipe, Collars, Cap etc) P.46/I.9.1 PRED SR 2012-13 -100 to 150mm.						
	Item No:34 Sinking borewell of 165mm clear using Super-fast hydraulic rig of Capacity 250 PSIG & above CFMs above in all strats including over burden upto 20mts fixing of Casing pipes, Collars and Cap with necessary Cutting, throading and welding including transportation of rig and Supporting vehicles, Crew charges and cost of Consumeables etc., Complete including yield testing at the final depth With a minimum working of Compressor for one hour (excluding cost of Casing pipes, Collars, Cap etc) P.46/I.9.1 PRED SR 2012-13 -150 to 200mm						

M. A. R. 57 (Rule 116)
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No. B 355240

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Unit	BOQ	Rate as per Sche-Bin Rs	Previous Qty	Measurement Amount	Present Qty	Measurement Amount	Total up-to-date Qty	Amount
Rmts	200.00	466.81	0.00	0.00	200.00	93362.00	200.00	93362.00
Rmts	200.00	493.03	0.00	0.00	200.00	98606.00	200.00	98606.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:35 Sinking borewell of 165mm dia clear using Super fast hydraulic rig of Capacity 250 PSIG & above CFM & above in all strata including over burden upto 20mts fixing of casing pipes, Collars and Cap with necessary Cutting, throading and welding including transportation of rig and supporting vehicles, Crew Charges and Cost of Consumables etc, Complete including yield testing at the final depth with a minimum working of Compressor for one hours (excluding Cost of Casing pipes, collars, Cap etc.,) P.46/I.9.1 PRED SR 2012-13 - 200 to 250m.						

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355241

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work			Dimensions				Contents	Reference to last Measurement	
				Number	Length	Breadth	Depth			
1	2			3	4	5	6	7	8	
Unit	BOQ	Rate as per Sche-B in Rs	Previous Measurement Qty	Amount	Present Measurement Qty		Amount		Total up-to-date Qty	Amount
Mtr	200.00	570.66	0.00	0.00	200.00		114132.00		200.00	114132.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:36 Sinking borewell of 165mm dia clear using Super fast hydraulic rig of Capacity 250 PSIG & above CFM & abole in all strats including over burden upto 20mts fixing of Casing pipes, Collars and Cap with necessary Cutting, threading and welding including transportation of rig and supporting Vehicles, Crew Charges and Cost of Consumeables etc., Complete including yield testing at the final depth with a minimum working of Compressor for one hour. (excluding cost of Casing pipes, Collars, Cap etc.,) P.46/I.9.1 PRED SR 2012-13 - 250 To 300m.						

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Measurement Book

No. B

355242

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work			Dimensions				Contents	Reference to last Measurement	
				Number	Length	Breadth	Depth			
1	2			3	4	5	6	7	8	
Unit	BOQ	Rate as per Sche-B in Rs	Previous Measurement Qty	Amount	Present Measurement Qty		Amount		Total up-to-date Qty	Amount
Rmts	200.00	611.57	0.00	0.00	200.00		122314.00		200.00	122314.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:37 Sinking borewell of 165mm dia clear using Superfast hydraulic rig of Capacity 250 PSIG & above in all strats including over burden upto 20mts fixing of Casing pipes, Collars and Cap with necessary Cutting, throading and welding including transportation of rig and Supporting vehicles, Crew Charges and Cost of Consumeables etc., Complete including yield testing at the final depth with a minimum working of Compressor for one hour (excluding Cost of Casing pipes, Collars, Cap etc.,) P.46/I.9.1 PRED SR 2012-13 - 300 to 350m.						

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Measurement Book

No. B 355243

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work			Dimensions				Contents	Reference to last Measurement	
				Number	Length	Breadth	Depth			
1	2			3	4	5	6	7	8	
Unit	BOQ	Rate as per Sche-B in Rs	Previous Measurement Qty	Previous Measurement Amount	Present Measurement Qty		Present Measurement Amount		Total up-to-date Qty	Total up-to-date Amount
Mtr	200.00	652.48	0.00	0.00	200.00		130496.00		200.00	130496.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 38 Sinking borewell of 165mm dia clear using Super fast hydr-aulic rig of Capacity 250 PSIG and above CFM & above in all Strata including over burden upto 20mts fixing of Casing pipes, Collars and Cap with necessary Cutting, threading and welding including transportation of rig and Supporting Vehicles, Crew charges and Cost of Consumables etc., Complete including yield testing at the final depth with a minimum working of Compressor for one hour (excluding Cost of Casing pipes, Collars, Cap etc.,) P.46/I.9.1 PRED SR 2012-13 - Above 350m.						

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Measurement Book

No. B 355244

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
			Previous Measurement		Present Measurement			Total up-to-date	
Unit	BOQ	Rate as per Sche-B in Rs	Qty	Amount	Qty		Amount	Qty	Amount
Rmts	200.00	690.24	0.00	0.00	200.00		138048.00	200.00	138048.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 39 Supply of ISI mark 175mm nominal bore, Plain end Steel Casing pipe grade of steel Fee 410 of wall thickness 5.4mm thick Conforming to IS 4270: 2001 and latest amendments, electric resistance welded steel tube material and Confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7mts both ends threaded Confirming to IS 554/1985, one end fixed with Socket Confirming to IS 4270: 2001 and the other end with screwed Pipes ISI Marking weighing 25.10 Kg/mtr (Inclusive of all taxes and duties) Prices include Collar- medium duty P. iii, I No. 84 PREDSR 2012-13.						
	Item No: 40 Providing 250mm dia PVC pipe 6Kg/Cm SE PRED Approved rate.						

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No. B 355245

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
Unit	BOQ	Rate as per Sche-B in Rs	Previous Qty	Measurement Amount	Present Measurement Qty	Amount		Total up-to-date Qty	Amount
Rmtr	200.00	1389.93	0.00	0.00	200.00	277988.00		200.00	277988.00
Rmtr	72.00	791.44	0.00	0.00	72.00	56983.68		72.00	56983.68

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 41 Providing and fixing 160mm Borewell cap P.iii, S No. 85						
	Item No: 42 Supply and delivery at site brand New texmo/innoval/Lubi/ Sabar/ Atlanta/ calamal/ make suitable for vertical installation in 150mm dia bore well Comprising of single stage or multistage CF pump close coupled by means of stainless steel Coupling to suitable HP suitable Speed totally enclosed and filled with pure drinking water (wet type) Squirrel cage Submersible induction motor suitable for operation of 3PH., 50Hz, 380/440 Volts AC Supply fitted with required accessories such as Suction, Casing Suction Strainers Sand guard Non return Valve etc. Complete. The pump and motor shall form an						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355246

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
unit	BOQ	Rate as per Sche-B in Rs	Previous Measurement Qty	Amount	Present Measurement Qty	Amount	Total up-to-date Qty	Amount
Rmtr	4.00	104.90	0.00	0.00	4.00	419.60	4.00	419.60
No.	4.00	77940.70	0.00	0.00	4.00	311762.80	4.00	311762.80

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 43 Supplying of ISI marked galvanised mild steel tube (Continuously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below Screwed at both ends as per IS 554/1985 with latest amendments, pipes threaftes at one end and the other end protected as per Specification in random lengths of 4 to 7mtrs Conforming to IS 1239 Part I/1990 with amendament 1-5 and with all its latest amendements if any. The pipes Supplied Should be with BIS mark No 3/08-09 2406/15.10.2008						
	Item No: 44 Heavy Duty Collar 50mm dia.						

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No. B

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Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
Unit	BOQ	Rate as per Sche-B in Rs	Previous Measurement Qty	Amount	Present Measurement Qty	Amount		Total up-to-date Qty	Amount
Rmtr	1000.00	393.38	0.00	0.00	1000.00	393380.00		1000.00	393380.00
No	176.00	136.37	0.00	0.00	171.00	23319.27		171.00	23319.27

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 45 Supplying and drawing 3 Core flat PVC Sheathed Submersible pump cable manufactured with electrolytic grade Copper with flexible Copper with low resistance Conductor Conforming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and powder Coating extruded PVC Sheathed Suitable for working voltage upto 1100 Volts as per IS-694: 1990 & Conforming to GTP of Group-A. P. No. 12/I No. 02.10.4(1) 3C x 6 Sqm mm &PWD Electrical SR 2014-15.						
	Item No: 46 Erection of pumpset including aligning and balancing with all necessary erection materials and labour including Supply & erection of one pair Supporting clamps, one borewell Cap. Cable clips with bolts, nuts, Valves guages etc, involved in the job (Necessary GI pipe and Specials with be Supplied by the board at the site free of cost) (As per rate approved KUWS & DB for year 2008-09.						

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No. B

355248

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
Unit	BOQ	Rate as per Sche-B in Rs	Previous Qty	Measurement Amount	Present Measurement Qty		Amount	Total up-to-date Qty	Amount
Mts	2040.00	197.95	0.00	0.00	2036.00		403026.20	2036.00	403026.20
Nos	4.00	3147.00	0.00	0.00	4.00		12588.00	4.00	12588.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 47 Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tappered inverted wooden plugs Screws etc., PNo. 44/INo. 6.6.6 KPWD Electrical SR 2014-15.						
	Item No: 48 Supplying of 1.1 KV LT UG Cable having aluminium Conductor PVC insulated, extruded inner sheathed, galvanised, steel strip (except 2c x 10 Sq.mm wire armoured) Confirming to IS-3975:1990 (No. of strip indicated in GTP) & extruded PVC outer sheathed armoured Cable with Specified IS-1554 Part-1:1988 & Confirming to GTP of GROUP-A PNO. 55/I No. 7.4.4, 4 core 16 Sq/mm KPWD Electrical SR 2014-15.						

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355249

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work			Dimensions				Contents	Reference to last Measurement	
				Number	Length	Breadth	Depth			
1	2			3	4	5	6	7	8	
	Unit	BOQ	Rate as per Sche-B in Rs	Previous Measurement Qty	Previous Measurement Amount	Present Measurement Qty	Present Measurement Amount		Total - up-to-date Qty	Total - up-to-date Amount
	Each	4.00	316.80	0.00	0.00	4.00	1267.20		4.00	1267.20
	Mts	120.00	147.28	0.00	0.00	120.00	17673.60		120.00	17673.60

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:49 Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/stoneware pipe/on wall/on pole as required in existing trench/duct. P.No. 61/I No. 7.8.1 (6sqmm to 16sqmm) KPWD Electrical SR 2014-15.						
	Item No:50 Digging of trench of 0.6m deep x 0.50mtr wide refilling the trench to the required ground level and consolidating etc., Complete. (As per Civil SR KSRRB I-2, P-7) P.No. 61/I.No. 7.9.3 KPWD Electrical SR 2014-15.						

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No. B 355250

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Unit	BOQ	Rate as per Sche-B in Rs	Previous Measurement Qty	Amount	Present Measurement Qty	Amount	Total up-to-date Qty	Amount
Mtr	120.00	11.33	0.00	0.00	120.00	1359.60	120.00	1359.60
Hr	100.00	89.17	0.00	0.00	100.00	8917.00	100.00	8917.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:51 Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain Crossing with necessary clamping arrangements for UG cable of 1.1kV P.No. 62/ I No. 7.12.1 KPWD Electrical SR 2014-15 - 40mm dia GI pipe.						
	Item No:52 Supplying and fixing L.T. Cast Iron pot heads suitable for 1.1 kV Class UG cable filled with necessary bitumen/insulating Compound Complete with terminals, clamps, bolts, nuts and washers etc., P.No. 62/I.No. 7.13.2 KPWD Electrical SR 2014-15 - 16 Sq mm.						

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No. B 355251

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement				
		Number	Length	Breadth	Depth						
1	2	3	4	5	6	7	8				
Unit	BOQ	Rate as per Sche-B in Rs	Previous Qty	Measurement Amount	Present Qty	Measurement Amount	Total up-to-date Qty	Total up-to-date Amount
Mtr	16.00	361.91	0.00	0.00	16.00	5790.56	16.00	5790.56
No	4.00	293.72	0.00	0.00	4.00	1174.88	4.00	1174.88

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:53 Supplying, fixing, wiring, earth electrode for grounding Conduits, I.C. Cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.5mtr long buried in a pit. The pit should be filled with equal proportion of salt and Charcoal 150 mm all-round the pipe to Complete depth. The Connection from the pipe to the Conduit etc., is to be established through GI wire of size as per ISI Specification 7.3.3 of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12mm dia, (P No. 55, I. No. 7.1) KPWD Electrical SR 2014-15.						

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No. B 355252

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Total up-to-date	
Unit	BOQ	Rate as per Sche-B in Rs	Previous measurement Qty	Amount	Present Measurement Qty	Amount	Qty	Amount
No	4.00	2860.62	0.00	0.00	4.00	11442.48	4.00	11442.48

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 54 Supplying & fixing of porcelain fuse channel with cut out on existing wooden Panel using necessary nuts, bolts and washers. P. No. 44/I No. 6.7.2 KPWD Electrical SR 2014-15 - 32 Amps.						
	Item No: 55 KSRB 13-7.1-4: Providing & fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads Complete as per Specifications No KBs 13.2.16/13.13 page No. 93 Item No. 13.55/PWD S.R 2016-17						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355253

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement						
		Number	Length	Breadth	Depth								
1	2	3	4	5	6	7	8						
Unit	BOQ	Rate as per Sche-B in Rs	Previous Measurement Qty	Previous Measurement Amount	Present Measurement Qty		Present Measurement Amount		Total up-to-date Qty	Total up-to-date Amount
No	24.00	188.82	0.00	0.00	24.00		4531.68		24.00	4531.68
No	4.00	1694.85	0.00	0.00	4.00		6779.40		4.00	6779.40

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 56 Providing NP/CP waste uniens Conforming To ISI Specifications and fixing them in position as per directions including Cost of materials, fixtures and Conveyance to Work spot etc., Complete. P.No. 95/I.No. 13.81.3 PWD S R 2016-17.						
	Item No: 57 Supplying and fixing 50mm dia GI x nipple with ISI mark with all lead and lift, loading unloading and labour Charges etc Complete.						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

355254

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work			Dimensions				Contents	Reference to last Measurement
				Number	Length	Breadth	Depth		
1	2			3	4	5	6	7	8
	Unit	BOQ	Rate as per Sche-B in Rs	Previous Measurement Qty	Previous Measurement Amount	Present Measurement Qty	Present Measurement Amount	Total up-to-date Qty	Total up-to-date Amount
	No	4.00	243.58	0.00	0.00	4.00	974.32	4.00	974.32
	No	16.00	83.92	0.00	0.00	16.00	1342.72	16.00	1342.72

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:58 Supplying Shunt Capacitors Confirming to IS 2834, 3 phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2 KVAR Capacity with all lead & lift, loading, unloading and labour charges etc Complete as per specifications.						
	Item No:59 Supplying and fixing miniature circuit breaker on existing MCB distribution boards using necessary fixing materials and 'C' Type Curve, indicator ON/OFF, energy Cross-3 with short circuit breaking Capacity of 10K and Complete wiring as required Conforming to IEC 60898. 5-32 Amps TPN P.No.47/I No. 6.16.5 KPWD SR 2014-15.						

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Measurement Book

No. B 355255

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work			Dimensions				Contents	Reference to last Measurement	
				Number	Length	Breadth	Depth			
1	2			3	4	5	6	7	8	
					Present Measurement				Total up-to-date	
Unit	BOQ	Rate as per Sche-B in Rs	Previous Qty	Measurement Amount	Qty		Amount		Qty	Amount
No	4.00	367.15	0.00	0.00	4.00		1468.60		4.00	1468.60
No	4.00	1622.80	0.00	0.00	4.00		6491.20		4.00	6491.20

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 60 Fabricating Supplying and mounting MS box made out SWG Suitable for floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size Clamps with necessary Cable entry pipe with gland and box should be finished with 2 Coats of red oxide primer paint and finally finished with approved Colour enamelled metal paint etc., Complete P.No.49, I No. 6.40.2 KPWD Electrical SR 2014-15-16 SWG.						

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No. B

355256

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Rate as per Sche-B in Rs	Previous Measurement		Dimensions			Present Measurement		Total up-to-date	
					Number	Length	Breadth / Depth				
1	2		Qty	Amount	3	4	5 / 6	Qty	Amount	Qty	Amount
Unit	BOQ										
No	87600.00	0.35	0.00	0.00		87600.00			30660.00	87600.00	30660.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 61 Supplying and delivary at site brand new Star/Essen/ Lotus/Sunshines/Adarsh/GK Controls best indigenous make Combined energy meter-cum-Control panel board unit of size 600x450x200mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3ph, 50 Hz, 380/440 volts, A.C. Supply with spring loaded latch, locking device with a key ribs should be provided inside the door, Canopy apron and louvers ventilators shall be provided. the Combined energy meter-cum-Control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. 12.5HP to 15HP Star Delta starter SERDED Rate.						

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Measurement Book

No. B

355257

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
unit	BOQ	Rate as per Sche-B in Rs	Previous Measurement Qty	Amount	Present Measurement Qty	Amount	Total up-to-date Qty	Amount
No	4.00	11539.00	0.00	0.00	4.00	46156.00	4.00	46156.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 62 Earthwork excavation for pipeline trenches including depositing or bankup to a lead of 50mts including shifting and stalting danger lighting and using site rails and boming poles at every 100mtrs wherever necessary as directed in the following structure manhole. Page No. 01 / Item No. 1.2.2 / PRED SR 2012-13 Hard soil.						
	Item No: 63 Providing and installation at site of works P.V.C. pipes including Cost of pipes, and specials and including lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe atround to a depth Not less than 15cm with grave or selected earth available from the excavation etc., page No. 15 item No. 3.4.2 b PRED SR 2012-13. - 75mm dia 6 KSC PVC pipe.						

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Measurement Book

No. B

355258

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Unit	BOQ	Rate as per Sche-B in ₹	Previous Measurement		Present Measurement		Total up-to-date	
			Qty	Amount	Qty	Amount	Qty	Amount
Cum	108.00	197.21	0.00	0.00	108.00	21298.68	108.00	21298.68
Rmtr	240.00	164.69	0.00	0.00	240.00	39525.60	240.00	39525.60

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 64 Refilling the basement and pipeline trenches with selected available earth for trench excavation including authority Condition in layers from the di including disposal of the surplus earth with a lead upto 200 mtrs page No. 3 / Item No. 1.6 / PRED SR 2012-13						
	Item No: 65 KSRB 13.6.3-6: Providing and fixing in position brass gate Valve with C.I Wheel of approved quality (screwed end) 50mm nominal bore including Cost of materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 P.98/I. 13.37 PWD SR 2016-17.						

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Measurement Book

No. B

355259

Serial No. .....
Name of Work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Unit	BOQ	Rate as per Sche-B in Rs	Previous Measurement Qty	Amount	Present Measurement Qty	Amount	Total up-to-date Qty	Amount
Cum	108.00	63.99	0.00	0.00	100.80	6450.19	100.80	6450.19
Each	8.00	2324.75	0.00	0.00	8.00	18598.00	8.00	18598.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:66 Removing and resetting of footpath slab. (P.No.265, I No. 37.56 of PW, P & IWTD SR 2016-17)						
	Item NO: 67 Providing granite slabs of selected quality roughly dressed and fixed in Cement mortar (1:6) including fixing clamps etc, Complete 10cms thick (P.No.25, I No.5.31.2 of PW, P & IWTD SR 2016-17)						
	Item No: 68 KSRB 5-9: Providing chamfering edges to stone slab 2.5 Cms. wide as per Specifications, (Only chamfered length shall be recorded) KBS 5.1.13 (P. No. 24, I No 5.22 of PW&P & IWTD SR 2016-17)						
	Item No:69 Providing one line dressing to granite stone slab/granite stone masonry						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

355260

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Unit	BOQ	Rate as per Sche-B in Rs	Previous Measurement		Present Measurement		Total up-to-date
			Qty	Amount	Qty	Amount	Qty / Amount
Sqm	64.80	138.99	0.00	0.00	64.80	9006.55	64.80 / 9006.55
Sqm	38.40	866.20	0.00	0.00	38.40	33262.08	38.40 / 33262.08
m	801.00	38.92	0.00	0.00	600.00	23352.00	600.00 / 23352.00
Sqm	144.00	606.01	0.00	0.00	108.00	65449.08	108.00 / 65449.08

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certified that the work done Satisfactorily. Certified that the debris removed from work spot.						

3/8/18
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

3/8/18
ಸಹಾಯಕ ಅಭಿಯಂತರರು
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3/8/18
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-27